**WEEK 7.12**

**Login page**

App.js

import React, { useState } from 'react';

// --- Reusable Button Components ---

// A simple Login button component. It calls the onClick function passed via props.

const LoginButton = (props) => {

  return (

    <button onClick={props.onClick} style={{ padding: '8px 16px', fontSize: '14px' }}>

      Login

    </button>

  );

};

// A simple Logout button component. It calls the onClick function passed via props.

const LogoutButton = (props) => {

  return (

    <button onClick={props.onClick} style={{ padding: '8px 16px', fontSize: '14px' }}>

      Logout

    </button>

  );

};

// --- View Components for Different User States ---

// This component is shown to logged-in users.

const UserGreeting = () => {

  return (

    <div>

      <h1 style={{ fontWeight: 'normal', fontSize: '24px' }}>Welcome back</h1>

    </div>

  );

};

// This component is shown to guests (logged-out users).

const GuestGreeting = () => {

  return (

    <div>

      <h1 style={{ fontWeight: 'normal', fontSize: '24px' }}>Please sign up.</h1>

    </div>

  );

};

// --- Main Controller Component ---

// This is the main component that controls the application's logic.

function App() {

  // useState hook to keep track of the user's login status.

  // The initial state is 'false' (logged out).

  const [isLoggedIn, setIsLoggedIn] = useState(false);

  // Event handler for the login button click.

  // It sets the isLoggedIn state to 'true'.

  const handleLoginClick = () => {

    setIsLoggedIn(true);

  };

  // Event handler for the logout button click.

  // It sets the isLoggedIn state to 'false'.

  const handleLogoutClick = () => {

    setIsLoggedIn(false);

  };

  // Using a variable to store the button that needs to be rendered.

  // This is an example of using element variables for conditional rendering.

  let button;

  if (isLoggedIn) {

    button = <LogoutButton onClick={handleLogoutClick} />;

  } else {

    button = <LoginButton onClick={handleLoginClick} />;

  }

  return (

    <div style={{ textAlign: 'center', fontFamily: 'sans-serif', paddingTop: '50px' }}>

      {/\*

        Conditionally render the Greeting component.

        If isLoggedIn is true, UserGreeting is shown.

        Otherwise, GuestGreeting is shown.

      \*/}

      {isLoggedIn ? <UserGreeting /> : <GuestGreeting />}

      {/\* Render the button determined by the if/else logic above \*/}

      <div style={{ marginTop: '20px' }}>

        {button}

      </div>

    </div>

  );

}

export default App;



